AMENDMENTS TO THE CLAIMS

1.   (Currently Amended) A method for allocating a percentage of system resources among a plurality of process groups in a computer system, said computer system comprising a plurality of central processing units, said plurality of central processing units combined into at least one processor set, said method comprising:

a.   assigning each of said plurality of process groups a number of shares of at least one processor set; and

b.   allocating said system resources of said at least one processor set to each of said plurality of process groups associated with said at least one processor set according to the number of shares assigned to each of said plurality of process groups associated with said at least one processor set, wherein said allocating system resources comprises using fair-share scheduling.

2.   (Previously Presented) The method of claim 1, wherein said system resources of each of said at least one processor set are allocated based on a total number of shares of all active processor groups within each of said at least one processor set.

3.   (Previously Presented) The method of claim 1, wherein said percentage of said system resources is calculated based on a ratio of the number of shares assigned to said each of said process groups to a total number of shares of all active process groups within each of said at least one processor set.

4.   (Previously Presented) The method of claim 1, wherein each of said plurality of process groups includes only one process.

5.   (Currently Amended) A computer readable medium embodying a program for allocating a percentage of system resources among a plurality of process groups in a computer system, said computer system comprising a plurality of central processing units, said plurality of central processing units combined into at least one processor set, said program comprising:

a.   assigning each of said plurality of process groups a number of shares of at least one processor set; and

b.   allocating said system resources of said at least one processor set to each of said plurality of process groups associated with said at least one processor set according to the number of shares assigned to each of said plurality of process groups associated with said at least one processor set, wherein said allocating system resources comprises using fair-share scheduling.

6.   (Previously Presented) The computer readable medium of claim 5, wherein said system resources of each of said at least one processor set are allocated based on a total number of shares of all active processor groups within each of said at least one processor set.

7.   (Previously Presented) The computer readable medium of claim 5, wherein said percentage of said system resources is calculated based on a ratio of the number of shares assigned to said each of said plurality of process groups to a total number of shares of all active process groups within each of said at least one processor set.

8.   (Previously Presented) The computer readable medium of claim 5, wherein each of said plurality of process groups includes only one process.

9.   (Currently Amended) A computer system comprising at least a central processing unit and a memory, said memory storing a program for allocating a percentage of system resources among a plurality of process groups in a computer system, said computer system comprising a plurality of central processing units, said plurality of central processing units combined into at least one processor set, said program comprising:

a.   assigning each of said plurality of process groups a number of shares of at least one processor set; and

b.   allocating said system resources of said at least one processor set to each of said plurality of process groups associated with said at least one processor set according to the number of shares assigned to each of said plurality of process groups associated with said at least one processor set wherein said allocating system resources comprises using fair-share scheduling.

10.   (Previously Presented) The computer system of claim 9, wherein said system resources of each of said at least one processor set are allocated based on a total number of shares of all active processor groups within each of said at least one processor set.

11. (Previously Presented) The computer system of claim 9, wherein said percentage of said system resources is calculated based on a ratio of the number of shares assigned to said each of said plurality of process groups to a total number of shares of all active process groups within each of said at least one processor set.

12. (Previously Presented) The computer system of claim 9, wherein each of said plurality of process groups includes only one process.